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APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/809,901	10/809,901 03/26/2004		Hiraku Murayama	018961-068	7688		
21839	7590	12/05/2006		EXAM	EXAMINER		
BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404				HOEKSTRA, JEFFREY GERBEN			
		22313-1404	·	ART UNIT	PAPER NUMBER		
				3736			
				DATE MAILED: 12/05/200	6		

Please find below and/or attached an Office communication concerning this application or proceeding.

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Applicant(s)					
MURAYAMA ET AL.					
Art Unit					
3736					
rith the correspondence address					
MONTH(S) OR THIRTY (30) DAYS, ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133). f timely filed, may reduce any					
Responsive to communication(s) filed on <u>25 September 2006</u> . This action is FINAL . 2b) This action is non-final.					
tters, prosecution as to the merits is D. 11, 453 O.G. 213.					
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o by the Examiner. ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d). ed Office Action or form PTO-152.					
§ 119(a)-(d) or (f). Application No en received in this National Stage of received.	,				
v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application					
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DETAILED ACTION

Notice of Amendment

1. In response to the amendment filed on 09/25/2006, amended claim(s) 1, 2, 8, and 9, canceled claim(s) 5 and 6, and new claim(s) 10 and 11 is/are acknowledged.

The current rejections of the claim(s) 1-4 and 7-9 is/are *withdrawn*. The following new and reiterated grounds of rejection are set forth:

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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- 3. Claims 1-4, 8, and 10-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Fariabi (US 6,482,166 B1). Fariabi discloses a composite guidewire (10 and 30), comprising:
- a distal end portion (17 and 31) and a main body portion (element 25 and the proximal portion on the left-hand side of Figure 1);
- wherein said main body portion comprises: (a) a center layer (13 and 37) formed of a first material (the Ni-Ti based alloy positively recited in column 4 lines 64-67 and column 5 lines 18-22 with a rigidity of ~90 ksi), (b) a surface layer formed of a second, more rigid material (elements 12 and 36 comprising the high strength Co-Ni-Cr alloy positively recited in column 4 line 64 column 5 line 25 with a rigidity of ~300 ksi), and (c) an intermediate layer, the composite region between said center and surface layers formed by heat treatment (column 5 line 49 column 6 line 4), formed of a mixture of said first material and said second material (column 2 lines 59-63);
- wherein said main body portion has a structure in which said center layer, said
 intermediate layer, said surface layer are structurally disposed in this order from a
 center of said main body portion toward an exterior of said main body portion as best
 seen in Figures 1 and 2;
- wherein said distal end portion is formed of said first material, and is continuous with the center layer of said main body portion as best seen in Figures 1 and 2; and
- said guidewire further comprising: an intermediate portion (the taper between main body portion and said distal end portion) formed of the mixture of said first material

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and said second material, wherein (d) mixture is decreased in the content of said first material toward said surface layer and increased in the content of said second material toward said surface layer (column 2 lines 59-63 and column 5 line 49 – column 6 line 4) such that a compositional gradually increasing gradient is formed in a radial direction, (e) said intermediate portion comprises a center layer formed of said first material as seen in Figures 1 and 2, and (f) a surface layer formed of a mixture of said first material and said second material covers said center layer (column 2 lines 59-63 and column 5 line 49 – column 6 line 4).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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6. Claims 7 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fariabi in view of Eder et al (US 6,488,637 B1).

7. Fariabi discloses the claimed invention except for explicitly disclosing the second, more rigid metallic material is stainless steel. Eder et al teaches a composite guidewire (140) comprising an inner super-elastic alloy core (150 and 152) and outer stainless steel covering (148 and 154) (column 4 lines 55-67). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the composite guidewire as taught by Fariabi, with the materials as taught by Eder et al for the purpose of configuring the mechanical properties of a guidewire to increase patient safety during advanced medical procedures utilizing guidewires traversing tortuous vasculature.

Response to Arguments

8. Applicant's arguments with respect to claims 1-4 and 7-11 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey G. Hoekstra whose telephone number is (571)272-7232. The examiner can normally be reached on Monday through Friday, 8:00 a.m. to 5:00 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max F. Hindenburg can be reached on (571)272-4726. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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